

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S5	1	"10/042549"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:36
S26	3	(tantalum niobium) with (ingot target billet) same cylind\$5 and uniform near3 grain and high adj purity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:43
S28	1	(tantalum niobium) and aspect adj ratio and cylind\$5 and uniform near3 grain and pur\$3 with (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:45
S29	2	(tantalum niobium) and aspect adj ratio and uniform near3 grain and pur\$3 with (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:46
S31	8	(tantalum niobium) and aspect adj ratio and uniform with grain and pur\$3 same (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:48
S32	30	(Ta Nb) and aspect adj ratio and uniform with grain and pur\$3 same (Ta Nb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 10:59
S33	3	"6893513".pn. "6348113".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:05
S34	9	(Michaluk near2 Christopher carbot) and (Ta tantalum Nb niobium) same pur\$3 and cylind\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:10
S36	4	(tantalum niobium) with (ingot target billet) same bar and uniform near3 grain and pur\$3 with (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:13

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S27	3	(tantalum niobium) with (ingot target billet) same cylind\$5 and uniform near3 grain and pur\$3 with (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:13
S35	121	(Ta tantalum Nb niobium) same pur\$3 and cylind\$5 and (ingot target billet) and ("420" "148").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:29
S38	20	S35 and ((length height) near4 diameter near4 ratio aspect adj ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:30
S37	20	S35 and (length near4 diameter near4 ratio aspect adj ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 11:30
S30	4	(tantalum niobium) and aspect adj ratio and uniform near3 grain and pur\$3 same (tantalum niobium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 14:54
S39	47125	extru\$4 with (cylind\$5 bar)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 14:55
S40	198	extru\$4 with (cylind\$5 bar) and grain near2 uniform	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 14:56
S41	7264	extru\$4 with (cylind\$5 bar)	EPO; JPO	OR	OFF	2007/04/27 14:57
S44	3642	extru\$4 with (cylind\$5 bar) and (Ta tantalum Nb Niobium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/27 15:00
S45	301	extru\$4 with (cylind\$5 bar) and (Ta tantalum Nb Niobium) same pur\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/27 15:01
S42	30	extru\$4 with (cylind\$5 bar) and (Ta tantalum Nb Niobium)	EPO; JPO	OR	OFF	2007/04/29 11:27

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S47	16	high adj purity adj (tantalum niobium) and extru\$4 same temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/29 11:34
S50	7	("6193821").URPN.	USPAT	OR	ON	2007/04/30 11:39
S51	23	("1994863"   "2064323"   "2080640"   "3160479"   "3250109"   "3269167"   "3335037"   "3370450"   "3497402"   "3791188"   "3818746"   "3844155"   "4970887"   "5615465").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 11:43
S53	1	"6331233".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 11:54
S52	73	("20010023726"   "20020041819"   "20050268999"   "3268328"   "3497402"   "3616282"   "3653981"   "3849212"   "4000055"   "4020222"   "4374717"   "4466940"   "4517032"   "4525417"   "4619695"   "4663120"   "4762558"   "4842706"   "4844746"   "4883721"   "4889745"   "4960163"   "5074907"   "5087297"   "5171379"   "5194101"   "5231306"   "5282946"   "5330701"   "5400633"   "5413650"   "5415829"   "5418071"   "5456815"   "5468401"   "5508000"   "5513512"   "5590389"   "5600989"   "5608911"   "5623726"   "5673581"   "5693203"   "5722165"   "5766380"   "5772795"   "5772860"   "5780755"   "5798005"   "5809393"   "5826456"   "5850755"   "5993575"   "5993621"   "5994181"   "6024852"   "6085966"   "6113761"   "6123896"   "6130451"   "6139701"   "6192969"   "6193821"   "6221178"   "6348113"   "6348139"   "6391163"   "6454994"   "6521173"   "6887356"   "6896748").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 11:54
S49	124	S48 and extru\$4 with (temperature ".deg.C" ".deg.F" celsius fahrenheit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:04

## EAST Search History

S54	2	"5869196".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:05
S48	384	extru\$4 same (Ta tantalum Nb Niobium) and (Ta tantalum Nb Niobium) same (pur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:48
S55	4160	(Ta tantalum Nb Niobium) and quench\$3 with water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:50
S56	2771	(Ta tantalum Nb Niobium) and (target ingot billet cylind\$5 bar rod) and quench\$3 with water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:55
S59	9	(Ta tantalum Nb Niobium) and (target ingot billet cylind\$5 bar rod) and quench\$3 with water and machine near3 cleaning	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:56
S58	1	(Ta tantalum Nb Niobium) and (target ingot billet cylind\$5 bar rod) and quench\$3 with water and coating same machine near3 cleaning	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:56
S57	814	S56 and ("148" "420" "419").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 12:57
S60	45	S56 and ("148" "420" "419").clas. and cleaning	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:03
S62	6	S61 and quench\$4 with water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:04
S61	115	(extrusion extrud\$3) and coating with protect\$5 and machine near4 cleaning	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:11

## EAST Search History

S64	207	S63 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:12
S65	23119	(extrusion extrud\$3) and coat\$3 with protect\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:21
S63	217	(extrusion extrud\$3) and coating with protect\$5 and clean\$3 with extru\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:21
S66	3718	(extrusion extrud\$3) same coat\$3 with protect\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:22
S67	1857	(extrusion extrud\$3) same coat\$3 with protect\$5 and (target ingot billet cylind\$5 bar rod)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:23
S69	4602	(extrusion extrud\$3) same (coat\$3 layer film) with (protect\$5 lubrica\$4) and (target ingot billet cylind\$5 bar rod)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:24
S68	84	S67 and ("148" "420" "419" "29" "72").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:24
S71	29	S70 and quench\$3 with water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:37
S70	308	S69 and ("148" "420" "419" "29" "72").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/30 13:37